

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAN DUDAS	12/17/2019
WALTER F. KAILEY	12/16/2019
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16719370
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<b>ATTORNEY DOCKET NUMBER:</b>	1053US01_FN201905768
<b>NAME OF SUBMITTER:</b>	BRETT BORNSSEN
<b>SIGNATURE:</b>	/BRETT BORNSSEN/
<b>DATE SIGNED:</b>	12/18/2019
<b>Total Attachments: 2</b>	
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source=1053US01_FN201905768-ASSIGNMENT#page2.tif	

# A S S I G N M E N T

WHEREAS, I/we Dan Dudas of Timisoara, Romania and Walter E. Kailey of Frederick, CO, have invented certain improvements in

## IMAGE FILTERING FOR IMPROVED LOSSLESS COMPRESSION

and have executed a United States patent application therefore;

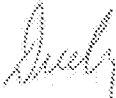
AND WHEREAS, RICOH COMPANY, LTD., a corporation organized under the laws of Japan, having an address at 3-6 Nakamagome, 1-chome, Ohta-ku, Tokyo 143-8585, Japan, is desirous of acquiring the entire right, title and interest in the said application including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

NOW THEREFORE, for good and valuable consideration, receipt for and sufficiency of which is hereby acknowledged, I, an above named inventor, hereby sell, assign, transfer, and set over unto RICOH COMPANY, LTD., and legal representatives, successors and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, I hereby agree with RICOH COMPANY, LTD. that I will not execute and writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said RICOH COMPANY, LTD., execute such additional assignments and other writings and do such additional acts as said RICOH COMPANY, LTD. may deem necessary or desirable to perfect RICOH COMPANY, LTD. enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuation, continuations-in-part, re-examination, reissued, or extended Letter Patent of the United States or any and all foreign countries on said invention, and in enforcing any rights or causes in action accruing as a result of such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representative of assignor and RICOH COMPANY, LTD.;

AND I request the Commissioner of Patents and Trademarks to issue any Letter Patent of the United States which may be issued for said invention to RICOH COMPANY, LTD., its legal representatives, successors or assigns, as the sole owners of the entire right, title and interest in and to said patent and the invention covered thereby.

Signed



on 11 Dec, 2019, Dan Dudas

SIGNATURE  
INVENTOR



on 16 Dec, 2019, Walter F. Kailey

SIGNATURE  
INVENTOR